

Date 01/25/2000

American Telephone Company

Monthly Statement for Account Number: 111111111

COMPANY: EDS

PHONE NUMBER: (214) 999-1212

PERSON: Suzie Q

Sample-Data

Date	Time	Rate	Number	City and Sta	ite	Duration	Cost
12/01/1999	07:15A	В	210-404-6690	San Antoni	TX	00:12.2	\$ 1.22
12/02/1999	01:00A	Ä	210-404-6690	San Antoni	TX	00:01.0	\$.05
12/02/1999	17:45P	D	919-416-1212	Kill Devil	NC	00:00.3	\$.06
12/03/1999	15:01P	Č	210-404-6690	San Antoni	TX	00:02.0	\$.30
12/03/1999	20:23P	Ď	919-462-1212	Kill Devil	NC	03:02.3	\$36.46
12/04/1999	06:06A	B	615-655-1122	Noshville	TN	00:00.5	\$.05
12/07/1999	04:00A	Α	210-404-6690	San Antoni	TX	01:00.0	\$3.00
12/07/1999	15:05P	С	615-655-1122	Nashville	ΤN	00:40.5	\$6.07
12/07/1999	15:45P	С	205-555-1234	Dothan	AL	00:04.3	\$.64
12/11/1999	02:13A	Α	615-655-1122	Nashville	TN	00:30.0	\$1.50
12/11/1999	A80:80	В	210-404-6690	San Antoni	TX	02:20.5	\$14.05
12/13/1999	A00:80	В	210-404-6690	San Antoni	TX	01:50.0	\$11.00
12/21/1999	00:26A	Α	210-404-6690	San Antoni	TX	00:31.3	\$ 1.56
12/21/1999	04:12A	Α	919-416-1212	Kill Devil	NC	00:32.0	\$ 1.60
12/21/1999	18:23P	D	615-655-1122	Nashville	TN	00:23.3	\$4.67
12/21/1999	19:01P	D	210-404-6690	San Antoni	ΤX	03:02.4	\$36.48
12/22/1999	08:04A	В	205-555-1234	Dothan	AL	00:43.2	\$4.32
12/27/1999	12:01A	С	205-555-1234	Dothan	AL	00:13.6	\$2.04
12/27/1999	⁻ 21:12P	D	205-555-1234	Dothan	AL	01:03.0	\$12.60
TOTAL CALLS:	19			TOTAL TI	ME:	16:12:49	\$137.67

FIG. 4

```
<bil>
  <account>1111111111</account>
  <customer-name>EDS</customer-name>
  <calling-date>1/billing-date26/2000></>
  <total-bill-by-phone>69.66</total-bill-by-phone>
  <total-time-by-phone>515.6</total-time-by-phone>
  <total-calls>34</total-calls>
  <detail-list>
     <detail-by-phone>
         <phone-number>999-1212</phone-number>
        <area-code>214</area-code>
         <phone-user>Suzie Q Sample-Data</phone-user>
        <calls-by-phone>
           <call>
              <date>12-01-1999</date>
              <time>07.15A/time>
              <code>B</code>
              <phone-number>404-6690</phone-number>
              <area-code>210</area-code>
              <called-city>San Antonio</called-city>
              <called-state>TX</called-state>
              <duration>12.2
              <charge>1.22</charge>
           </call>
           <call>
              <date>12-01-1999</date>
              <time>01.00A</time>
              <code>A</code>
              <phone-number>404-6690</phone-number>
              <area-code>210</area-code>
              <called-city>San Antonio</called-city>
              <called-state>TX</called-state>
              <duration>01.0</duration>
              <charge>0.05</charge>
           </call>
           <call>
              <date>12-01-1999</date>
              < time > 17.45P < / time >
              <code>D</code>
              <phone-number>416-1212</phone-number>
              <area-code>919</area-code>
              <called-city>Kill Devil</called-city>
              <colled-state>NC</colled-state>
              <duration>0.3</duration>
              <charge>0.06</charge>
           </call>
         </calls-by-phone>
                                        FIG. 5
     </detail-by-phone>
  </detail-list>
</bill>
```

```
<Schema xmlns="urn: schemas-microsoft-com:xml-data"
  xmlns:dt="urn:schemas-microsoft-com:datatypes">
 <ElementType name="accountno" content="textonly"/>
 <ElementType name="customer-name" content="textonly"/>
<ElementType name="billing-date" content="textonly"/>
 <ElementType name="total-cost" content="textonly"/>
 <ElementType name="total-number-calls" content="textonly"/>
 <ElementType name="total-time" content="textonly"/>
<ElementType name="phone-number" content="textonly"/>
<ElementType name="phone-user" content="textonly"/>
 <ElementType name="date" content="textonly"/>
 <ElementType name="charge" content="textonly"/>
<ElementType name="called-city" content="textonly"/>
 <ElementType name="called-state" content="textonly"/>
 <ElementType name="duration" content="textonly"/>
 <ElementType name="code" content="textonly"/>
 <ElementType name="area-code" content="textonly"/>
<ElementType name="time" content="textonly"/>
 <ElementType name="call">
   <element type="area-code" max0ccurs="1" />
   <element type="phone-number" max0ccurs="1" />
   <element type="code" maxOccurs="1" />
<element type="date" maxOccurs="1" />
  <element type="time" maxOccurs="1" />
<element type="time" maxOccurs="1" />
<element type="duration" maxOccurs="1"
<element type="charge" maxOccurs="1"</pre>
   <element type="charge" max0ccurs="1" />
   <element type="called-city" max0ccurs="1"
   <element type="called-state" max0ccurs="1" />
 </ElementType>
 <ElementType name="total-bill-by-phone" content="textonly"/>
 <ElementType name="total-time-by-phone" content="textonly"/>
<ElementType name="total-calls-by-phone" content="textonly"/>
 <ElementType name="calls-by-phone">
   <ElementType name="call"/>
 </ElementType>
 <ElementType name="detail-by-phone">
   <element type="phone-number"/>
   <element type="area-code"/>
   <element type="phone-user"/>
   <element type="total-bill-by-phone"/>
   <element type="total-time-by-phone"/>
   <element type="total-calls-by-phone"/>
   <element type="calls-by-phone"/>
 </ElementType>
 <ElementType name="detail-list">
   <element type="detail-by-phone"/>
 </ElementType>
 <ElementType name="bill">
   <element type="accountno"/>
   <element type="customer-name"/>
   <element type="billing-date"/>
   <element type="total-cost"/>
   <element type="total-number-calls"/>
   <element type="total-time"/>
<element type="detail-list"/>
                                       FIG. 5A
 </ElementType>
</Schema>
```

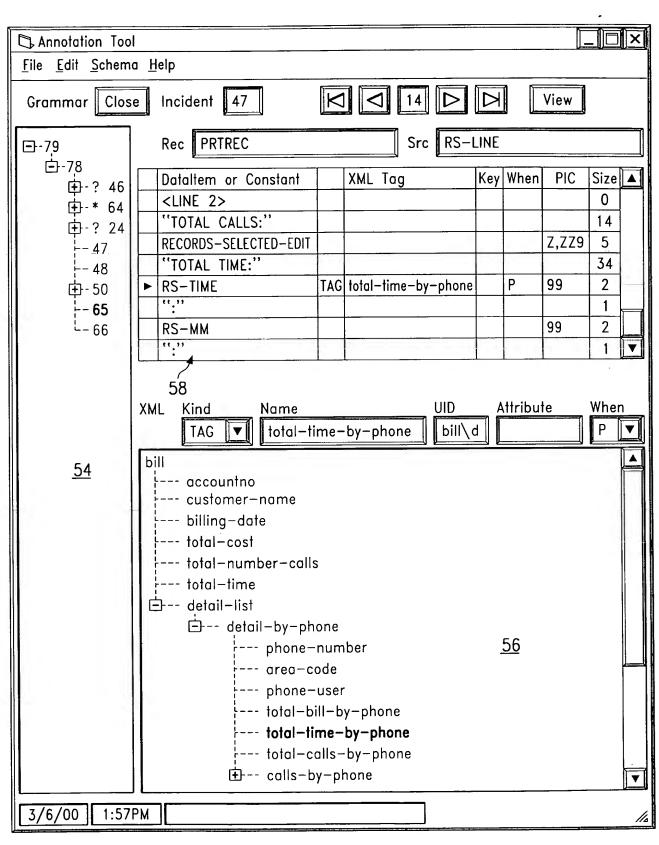


FIG. 6

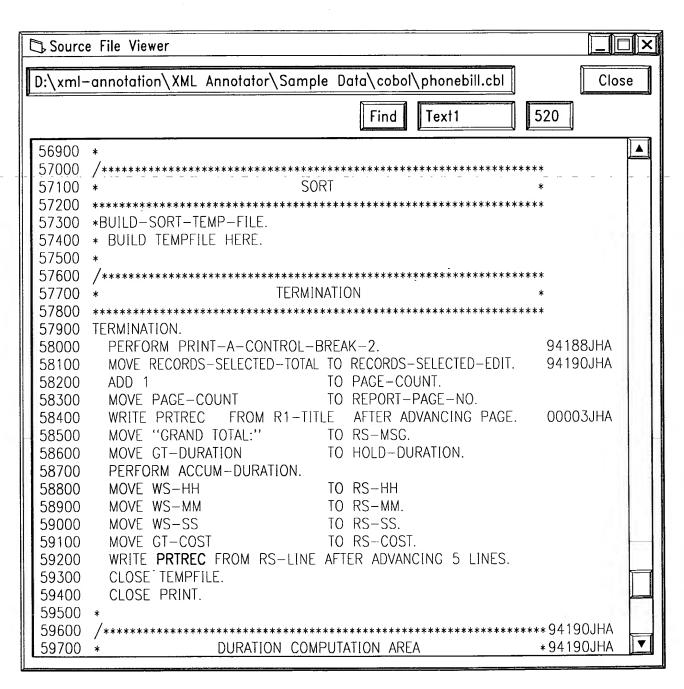
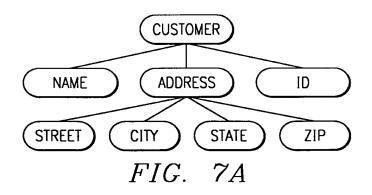


FIG. 6A

```
<Schema xmlns="urn:schemas-microsoft-com:xml-data"
    xmlns:dt="urn:schemas-microsoft-com:datatypes">
<a href="current" content="boolean"/>
 <ElementType name='Name' content="textonly"/>
<ElementType name="ID" content="textonly"/>
<ElementType name="Street" content="textonly"/>
<ElementType name="City" content="textonly"/>
<ElementType name="State" content="textonly"/>
<ElementType name="ZIP" content="textonly"/>
<ElementType name="Address">
   <a href="Current"/>
   <Element type="Street"/>
   <Element type="City"/>
   <Element type="State"/>
    <Element type="ZIP"/>
 </ElementType>
 <ElementType name="Customer">
   <Element type="Name"/>
   <Element type="Address"/>
    <Element type="ID"/>
 </ElementType>
</Schema>
                  FIG. 7
```



ID	LABEL	END LABEL	DEPTH	PARENT	CARDINALITY
1	<customer></customer>		1	0	n
2	<name></name>		2	1	1
3	<address></address>		2	1	1
4	<id></id>		2	1	1
5	<street></street>		3	3	1
6	<city></city>		3	3	1
7	<state></state>		3	3	1
8	<zip></zip>		3	3	1

FIG. 7B

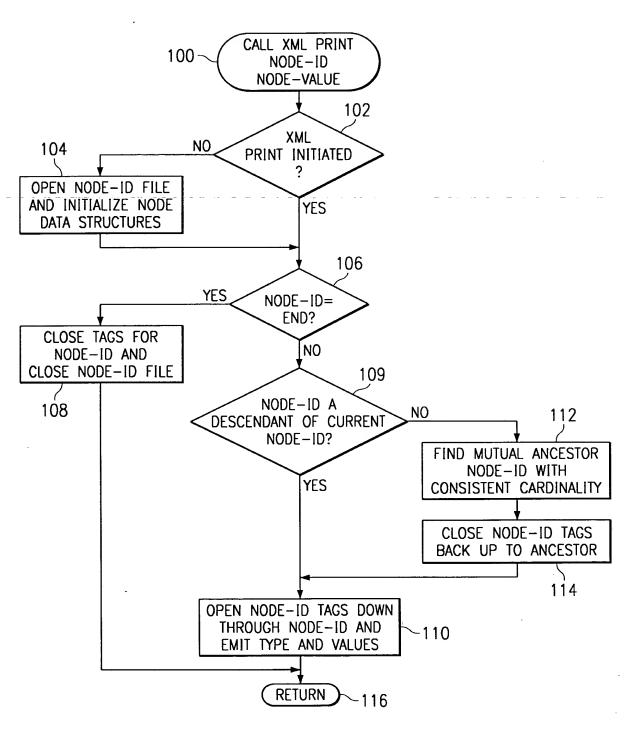


FIG. 8